



A.4 WSSRAP

A Bubble chart, at the MTU level of recycled uranium, representing the flows into WSSRAP has been developed based on the information presented in the Tables, following the bubble chart. The Tables have been developed at the uranium and uranium-235 level (grams for enriched uranium and kilograms for the normal and depleted uranium). The Tables include all years, however, only the recycled uranium is included in the bubble charts. Table ES-1 highlights the differences between the Total Receipts and the Recycled Uranium Receipts. Additional detail is summarized in Section 3.1 of this report.

A.4.1 MATERIAL BALANCE DATA SOURCES

The data source used to develop the WSSRAP historical receipts and shipments was obtained from a DOE-ORO report, DOE/OR-872, published in 1986.

The data summaries and annual material balances contained in the report originate from two primary sources: (1) data compilations and their associated workpapers prepared by DOE employees, and (2) monthly material balance reports provided to DOE by the operating contractor, Mallinckrodt Chemical Works. While cumulative data are available, some annual data sets from these two sources for the period 1957 through 1966 are not available.

Data search activities included: (1) two thorough searches of retired DOE files retained in Oak Ridge, Tennessee, (2) an inspection of the files retained at the WSSRAP, (3) contacts with the U.S. Government Records Center at Winnebago Street, St. Louis, Missouri, and (4) reviews of active DOE files. Only items (1) and (4) produced usable information, and all of the information from these two sources has been compiled and stored by DOE in Oak Ridge, TN. This information is in the form of contractor-generated material balance reports, Doe-generated nuclear material control survey reports, and workpaper packages that support some of the surveys. It is evident from federal records destruction instructions and information from all other sources that the information now in active DOE files is, in all probability, the only quantitative nuclear materials data still available.

Since this report did not specify, by name, the sites that WSSRAP received from and shipped to, the DOE-OH Recycled Uranium Project Report team quantified WSSRAP receipts and shipments using material flow information from Fernald. This process results in the WSSRAP receipts and shipments being distributed to FEMP and other sites.



A.4.2 MATERIAL BALANCE DATA PRESENTATION AND DISCUSSION

All nuclear materials transactions were recorded by the operating contractor and reported monthly to DOE. These records of transactions (receipts and shipments) along with records of intra-plant inventories and plant discards were reviewed and evaluated by DOE nuclear materials control groups on a continuing basis.

Annual audits of all nuclear materials holdings were performed by DOE employees as an independent survey/check of the contractor's accountability program. These evaluations and audits addressed each of the four nuclear materials stored and/or processed at the plant site. The data available on each of these nuclear materials are presented and discussed in this section.

Material Types

Natural Uranium

Natural uranium (0.72 weight % U-235) was typically received as an ore concentrate in drums and similar containers. The uranium content of such receipts was determined by carefully controlled sampling and analytical procedures. Significant receiver-shipper differences were resolved by referee analyses at other locations. While the concentrates were generally homogenous and analytical methods were generally sound, some small variances were common. However, these variances were observed to be of a random nature and, therefore, are believed to have had minimal effect on assigned values.

Depleted Uranium

Uranium depleted in U-235 content to the levels below that of natural uranium was received as metal and various intermediate chemical forms. For reasons of safety, efficiency, and economy, this material (which is identical to natural uranium in chemical and physical properties but of lower intrinsic value than natural uranium) was used primarily in pilot plant tests of possible plant flow sheet changes and manufacturing methods improvements.

Slightly Enriched Uranium

Uranium having a U-235 content (typically 0.95 weight % U-235) slightly above that of natural uranium (0.72 weight % U-235) was received as scrap metal and residues and was processed on a batch basis to produce a pure product that was then shipped to other DOE contractors. Receiver-shipper differences for the incoming scrap and residues were, sometimes, contributing factors for some of the plant inventory differences.



Discards

The annual stack discard (atmospheric discharge) values were engineering estimates derived from airflows and other process factors along with stack monitoring data. Because of the large volume of natural uranium processed in all plant facilities, it accounted for about 94 % of the total stack discards of 45,041 Kgs (all uranium), or 12 Kgs per day during the operational life of the plant. The chemical and physical forms of such releases varied but were essentially oxides of uranium (or their equivalents). Period area monitoring data indicates little material was detected off-site.

Three sewer systems served the plant: sanitary, storm, and process. Treated sanitary sewage releases and releases from storm sewers were released routinely to designated drainageways with flow-rate measurements and proportional analyses performed as appropriate. Process sewers were monitored continuously and effluents were diluted as necessary to ensure compliance with applicable discharge limits.

From 1958 to 1964, a series of four raffinate pits with a combined surface area of about 26 acres and a combined volume capacity of 650,000 cubic yards were constructed to receive refinery sludge. The volume of waste placed in these pits is estimated to be 220,000 cubic yards. All discards to the raffinate pits were measured. The residues in the pits remain covered with rainwater most of the time until their processing during site remediation in the late 1990s. The recorded quantities of nuclear materials placed there annually have been documented.

Inventory Differences

The DOE has specified accounting requirements for nuclear materials which it handles. Differences between the amounts of nuclear materials charged to DOE facilities and the amounts physically inventoried have been reported and explained semi-annually by DOE since October 1, 1976. The WSSRAP nuclear materials balances and inventories, while, according to records, were analyzed, and, where necessary, investigated and resolved, they have not been reported previously. The inventory differences between "book" and physical inventories and are variances obtained when book and physical inventories are drawn and compared. These differences are not to be construed as being necessarily real figures but, rather, the quotient obtained when book and physical inventories are treated of equal validity in the formula:

$$\frac{(\text{Beginning Inventory} + \text{Receipts}) - (\text{Ending Inventory} + \text{Removals})}{(\text{Beginning Inventory} + \text{Receipts})} \times 100 =$$



Book values as used here represent measured and/or accepted values (shipper values were sometimes accepted by DOE on contractual or other bases) and recorded in ledgers. Similarly, inventory values were sometimes a mixture of measured and accepted values.

Efforts to remove all nuclear materials from the plant site at shutdown were apparently generally successful. However, small quantities, not included in recorded inventories and removals, were found after shutdown and may continue to be found in the future. Such quantities, if now included, would reduce observed inventory differences, but only marginally so. Therefore, their exclusion from formal accountability records is believed to be insignificant.

REFERENCES:

U.S. DOE ORO, July 1986, "Historical Nuclear Materials Balance Report For The Former AEC Owned Weldon Spring Chemical Plant, Weldon Spring, Missouri," DOE/OR-872, DOE-ORO, Oak Ridge, TN.

FIGURE A.1-7
WELDON SPRING RECEIPTS & SHIPMENTS
ENRICHED URANIUM

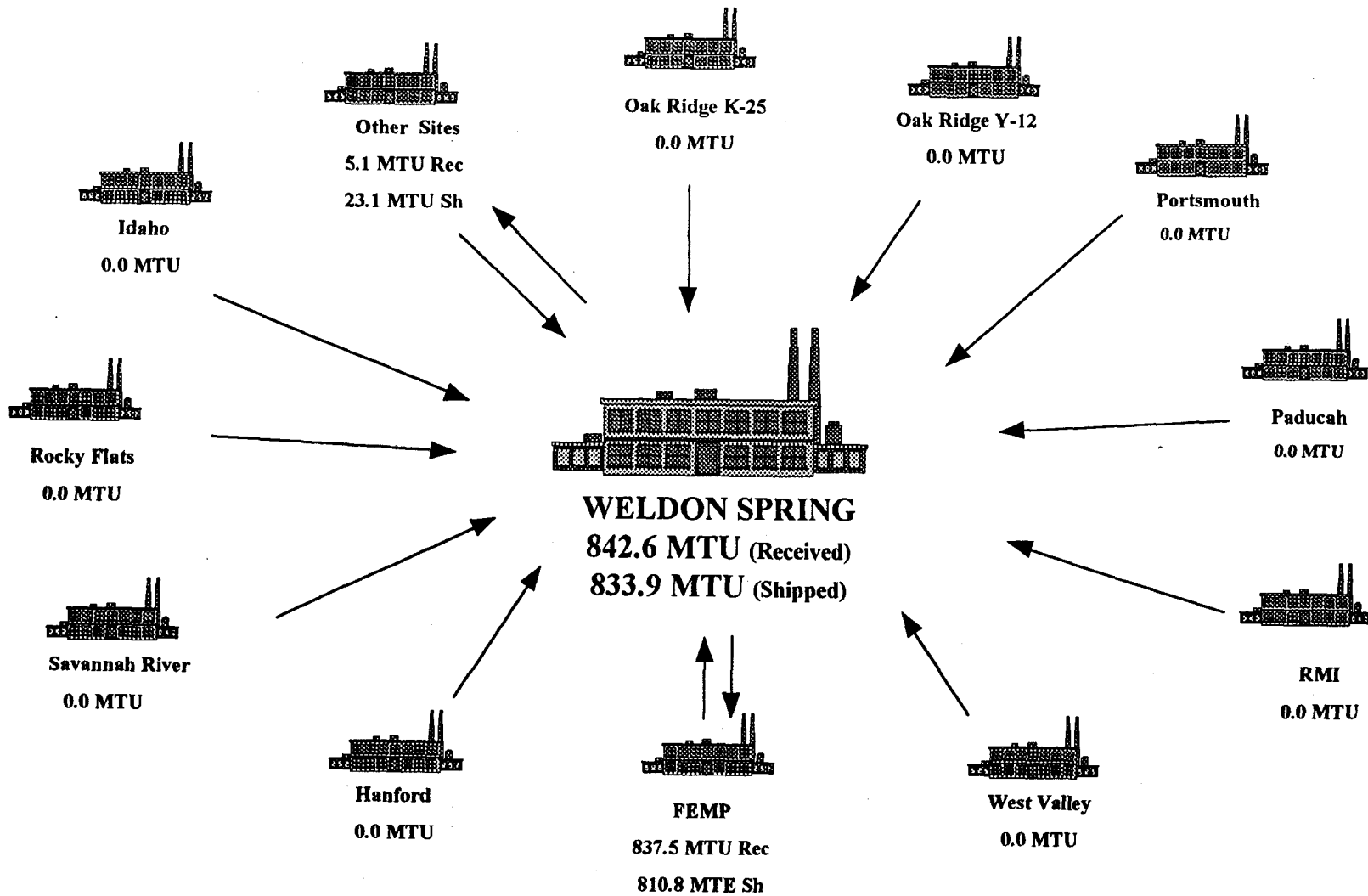


FIGURE A.1-8
WELDON SPRING RECEIPTS &
SHIPMENTS
NORMAL URANIUM

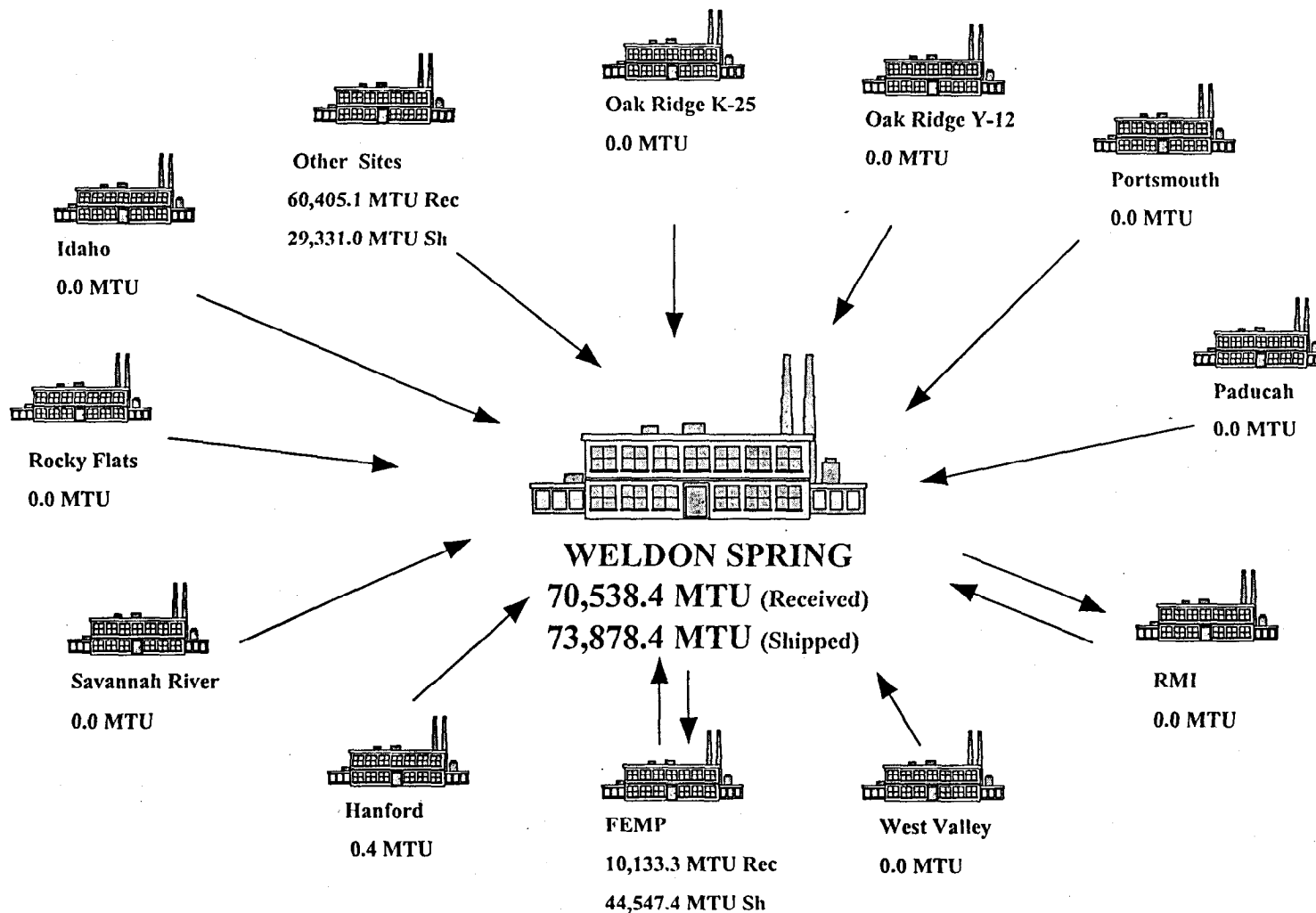
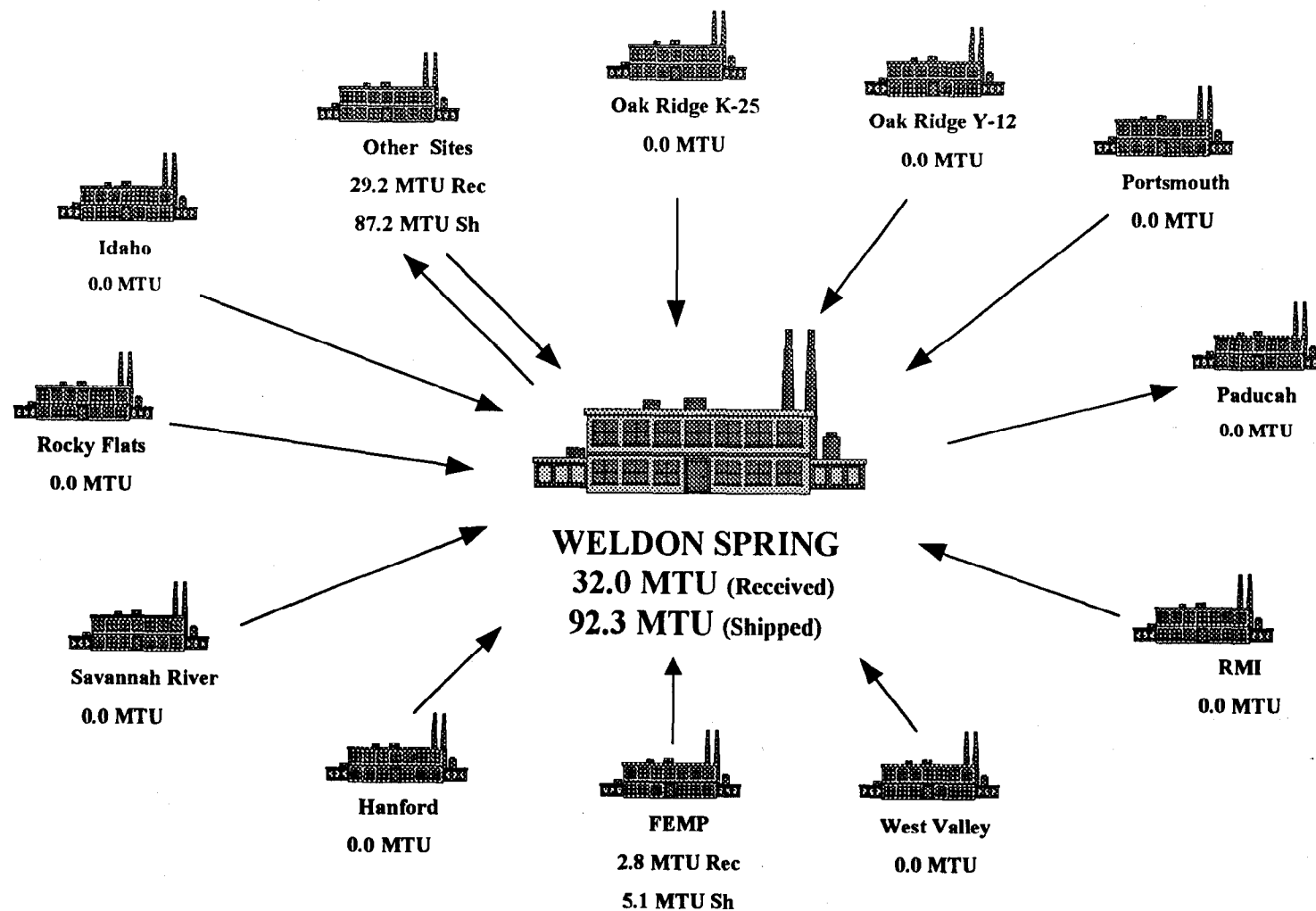


FIGURE A.1-9
WELDON SPRING RECEIPTS &
SHIPMENTS
DEPLETED URANIUM



APPENDIX A.4
WELDON SPRING ENRICHED RECEIPTS SUMMARIZED

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF ENRICHED URANIUM

EXTERNAL RECEIPTS ENRICHED URANIUM	FY1952-FY1961		FY1962-FY1969		FY1970-FY1979		FY1980-FY1989		FY1990-FY1999		TOTAL	
	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS
Pu PROCESSING PLANTS *	-	-	-	-	-	-	-	-	-	-	-	-
GASEOUS DIFFUSION PLANTS	-	-	-	-	-	-	-	-	-	-	-	-
WEAPONS PLANTS	-	-	-	-	-	-	-	-	-	-	-	-
U PROCESSING PLANTS	-	-	837,461,360	7,853,370	-	-	-	-	-	-	837,461,360	7,853,370
OTHER SITES	-	4	5,123,286	533,926	-	-	-	-	-	-	5,123,286	533,926
TOTAL	-	4	842,584,646	8,387,292	-	-	-	-	-	-	842,584,646	8,387,296

* INCLUDES SCRAP NOT PROCESSED

APPENDIX A.4
WELDON SPRING ENRICHED SHIPMENTS
SUMMARIZED

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF ENRICHED URANIUM

EXTERNAL RECEIPTS ENRICHED URANIUM	FY1952		FY1953		FY1954		FY1955		FY1956		FY1957		FY1958		FY1959		FY1960	
SITE	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS
OAK RIDGE K-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAK RIDGE Y-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PORTSMOUTH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PADUCAH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FERNALD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RMI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WELDON SPRING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAVANAH RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROCKY FLATS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SITES	-	-	-	-	-	-	-	-	-	-	-	-	400	4	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	400	4	-	-	-	-

APPENDIX A.4
WELDON SPRING ENRICHED SHIPMENTS
SUMMARIZED

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF ENRICHED URANIUM

EXTERNAL RECEIPTS ENRICHED URANIUM	FY1961		FY1962		FY1963		FY1964		FY1965		FY1966	
SITE	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS
OAK RIDGE K-25	-	-	-	-	-	-	-	-	-	-	-	-
OAK RIDGE Y-12	-	-	-	-	-	-	-	-	-	-	-	-
PORTSMOUTH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-
PADUCAH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-
FERNALD	-	-	-	-	94,678,000	896,635	344,628,800	3,240,279	359,219,300	3,370,175	27,699,746	238,443
RMI	-	-	-	-	-	-	-	-	-	-	-	-
WEST VALLEY	-	-	-	-	-	-	-	-	-	-	-	-
WELDON SPRING	-	-	-	-	-	-	-	-	-	-	-	-
HANFORD	-	-	-	-	-	-	-	-	-	-	-	-
SAVANAH RIVER	-	-	-	-	-	-	-	-	-	-	-	-
ROCKY FLATS	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SITES	-	-	-	-	16,600	50,311	(79,305,700)	(587,048)	82,758,100	1,049,599	-	-
TOTAL	-	-	-	-	94,694,600	946,946	265,323,100	2,653,231	441,977,400	4,419,774	27,699,746	238,443

APPENDIX A.4
WELDON SPRING ENRICHED SHIPMENTS
SUMMARIZED

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF ENRICHED URANIUM

EXTERNAL RECEIPTS ENRICHED URANIUM	FY1967		FY1968		FY1969		FY1970		FY1971		FY1972		FY1973		FY1974		FY1975	
SITE	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS
OAK RIDGE K-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAK RIDGE Y-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PORTSMOUTH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PADUCAH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FERNALD	11,235,514	107,838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RMI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WELDON SPRING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAVANAH RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROCKY FLATS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SITES	1,654,286	21,060	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	12,889,800	128,898	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX A.4
WELDON SPRING ENRICHED SHIPMENTS
SUMMARIZED

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF ENRICHED URANIUM

EXTERNAL RECEIPTS ENRICHED URANIUM	FY1976		FY1977		FY1978		FY1979		FY1980		FY1981		FY1982		FY1983		FY1984		FY1985	
SITE	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS
OAK RIDGE K-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAK RIDGE Y-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PORTSMOUTH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PADUCAH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FERNALD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RMI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WELDON SPRING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAVANAH RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROCKY FLATS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SITES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX A.4
WELDON SPRING ENRICHED SHIPMENTS
SUMMARIZED

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF ENRICHED URANIUM

EXTERNAL RECEIPTS ENRICHED URANIUM	FY1986 FVA		FY1986 FVC		FY1987		FY1988		FY1989		FY1990		FY1991		FY1992		FY1993		FY1994	
SITE	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS
OAK RIDGE K-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAK RIDGE Y-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PORTSMOUTH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PADUCAH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FERNALD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RMI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WELDON SPRING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAVANAH RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROCKY FLATS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SITES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX A.4
WELDON SPRING ENRICHED SHIPMENTS
SUMMARIZED

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF ENRICHED URANIUM

EXTERNAL RECEIPTS ENRICHED URANIUM	FY1995 FVC		FY1995 GVC		FY1996		FY1997		FY1998		FY1999		TOTAL	
SITE	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS
OAK RIDGE K-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAK RIDGE Y-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PORTSMOUTH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PADUCAH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FERNALD	-	-	-	-	-	-	-	-	-	-	-	-	837,461,360	7,853,370
RMI	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WELDON SPRING	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAVANAH RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROCKY FLATS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SITES	-	-	-	-	-	-	-	-	-	-	-	-	5,123,686	533,926
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	842,585,046	8,387,296

APPENDIX A.4 **WELDON SPRING ENRICHED RECEIPTS**

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF ENRICHED URANIUM

RIS	EXTERNAL RECEIPTS ENRICHED URANIUM	SITE	FY1952		FY1953		FY1954		FY1955		FY1956		FY1957		FY1958		FY1959		FY1960	
			U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS
FVA/FVC	FERNALD FEED CENTER	FEMP																		
HXA	UNC NUCLEAR INDUSTRIES, RICHLAND	HAN													400	4	-	-	-	-
	OTHER SITES	OTHER																		
TOTAL	TOTAL		-	-	-	-	-	-	-	-	-	-	-	-	400	4	-	-	-	-

APPENDIX A.4
WELDON SPRING ENRICHED RECEIPTS

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF ENRICHED URANIUM

RIS	EXTERNAL RECEIPTS ENRICHED URANIUM	FY1961		FY1962		FY1963		FY1964		FY1965		FY1966	
		U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS
	SITE												
FVA/FVC	FERNALD FEED CENTER					94,678,000	896,635	344,628,800	3,240,279	359,219,300	3,370,175	27,699,746	238,443
HXA	UNC NUCLEAR INDUSTRIES, RICHLAND												
	OTHER SITES	-	-	-	-	16,600	50,311	(79,305,700)	(587,048)	82,758,100	1,049,599	-	-
TOTAL	TOTAL	-	-	-	-	94,694,600	946,946	265,323,100	2,653,231	441,977,400	4,419,774	27,699,746	238,443

APPENDIX A.4
WELDON SPRING ENRICHED RECEIPTS

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF ENRICHED URANIUM

EXTERNAL RECEIPTS ENRICHED URANIUM		FY1967		FY1968		FY1969		FY1970		FY1971		FY1972		FY1973		FY1974		FY1975	
RIS	SITE	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS
FVA/FVC	FERNALD FEED CENTER	11,235,514	107,838																
HXA	UNC NUCLEAR INDUSTRIES, RICHLAND																		
	OTHER SITES	1,654,286	21,060																
TOTAL	TOTAL	12,889,800	128,898	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX A.4
WELDON SPRING ENRICHED RECEIPTS

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF ENRICHED URANIUM

EXTERNAL RECEIPTS ENRICHED URANIUM		FY1976		FY1977		FY1978		FY1979		FY1980		FY1981		FY1982		FY1983		FY1984	
RIS	SITE	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS
FVA/FVC	FERNALD FEED CENTER																		
HXA	UNC NUCLEAR INDUSTRIES, RICHLAND																		
	OTHER SITES																		
TOTAL	TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX A.4 **WELDON SPRING ENRICHED RECEIPTS**

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF ENRICHED URANIUM

RIS	EXTERNAL RECEIPTS ENRICHED URANIUM	FY1985		FY1986 FVA		FY1986 FVC		FY1987		FY1988		FY1989		FY1990		FY1991		FY1992	
		U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS
FVA/FVC	FERNALD FEED CENTER																		
HXA	UNC NUCLEAR INDUSTRIES, RICHLAND																		
	OTHER SITES																		
TOTAL	TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX A.4
WELDON SPRING ENRICHED RECEIPTS

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF ENRICHED URANIUM

RIS	EXTERNAL RECEIPTS ENRICHED URANIUM	FY1993		FY1994		FY1995FVC		FY1995GVC		FY1996		FY1997		FY1998		FY1999	
		U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS	U GMS	U-235 GMS
	SITE																
FVA/FVC	FERNALD FEED CENTER																
HXA	UNC NUCLEAR INDUSTRIES, RICHLAND																
	OTHER SITES																
TOTAL	TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX A.4
WELDON SPRING ENRICHED RECEIPTS

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF ENRICHED URANIUM

RIS	EXTERNAL RECEIPTS ENRICHED URANIUM	TOTAL	
		U GMS	U-235 GMS
FVA/FVC	FERNALD FEED CENTER	837,461,360	7,853,370
HXA	UNC NUCLEAR INDUSTRIES, RICHLAND	-	-
	OTHER SITES	5,123,686	533,926
TOTAL	TOTAL	842,585,046	8,387,296

APPENDIX A.4
WELDON SPRING NORMAL (NATURAL) RECEIPTS SUMMARIZED

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF NORMAL URANIUM

EXTERNAL RECEIPTS NORMAL URANIUM	FY1952-FY1961	FY1962-FY1969	FY1970-FY1979	FY1980-FY1989	FY1990-FY1999	TOTAL
SITE	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS
Pu PROCESSING PLANTS *	-	-	-	-	-	-
GASEOUS DIFFUSION PLANTS	-	-	-	-	-	-
WEAPONS PLANTS	-	-	-	-	-	-
U PROCESSING PLANTS	-	10,133,347	-	-	-	10,133,347
OTHER SITES	51,477,479	60,405,151	-	-	-	111,882,630
TOTAL	51,477,479	70,538,498	-	-	-	122,015,977

* INCLUDES SCRAP NOT PROCESSED

APPENDIX A.4
WELDON SPRING NORMAL (NATURAL) RECEIPTS
SUMMARIZED

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF NORMAL (NATURAL) URANIUM

EXTERNAL RECEIPTS NORMAL (NATURAL) URANIUM	FY1952	FY1953	FY1954	FY1955	FY1956	FY1957	FY1958	FY1959	FY1960	FY1961	FY1962	FY1963
RIS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS
OAK RIDGE K-25	-	-	-	-	-	-	-	-	-	-	-	-
OAK RIDGE Y-12	-	-	-	-	-	-	-	-	-	-	-	-
PORTSMOUTH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-
PADUCAH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-
FERNALD	-	-	-	-	-	-	-	-	-	-	2,563,408	2,253,854
REACTIVE METALS, INCORPORATED	-	-	-	-	-	-	-	-	-	-	-	-
WEST VALLEY	-	-	-	-	-	-	-	-	-	-	-	-
WELDON SPRING	-	-	-	-	-	-	-	-	-	-	-	-
HANFORD	-	-	-	-	-	-	-	-	-	-	-	-
SAVANAH RIVER	-	-	-	-	-	-	-	-	-	-	-	-
ROCKY FLATS	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SITES	-	-	-	-	-	-	8,000,407	12,898,013	15,032,283	15,546,776	13,445,683	16,619,497
TOTAL	-	-	-	-	-	-	8,000,407	12,898,013	15,032,283	15,546,776	16,009,091	18,873,351

APPENDIX A.4
WELDON SPRING NORMAL (NATURAL) RECEIPTS
SUMMARIZED

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF NORMAL (NATURAL) URANIUM

EXTERNAL RECEIPTS NORMAL (NATURAL) URANIUM	FY1964	FY1965	FY1966	FY1967	FY1968	FY1969	FY1970	FY1971	FY1972	FY1973	FY1974	FY1975	FY1976	FY1976A
RIS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS
OAK RIDGE K-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAK RIDGE Y-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PORTSMOUTH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PADUCAH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FERNALD	2,804,076	1,880,114	631,895	-	-	-	-	-	-	-	-	-	-	-
REACTIVE METALS, INCORPORATED	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WELDON SPRING	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAVANAH RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROCKY FLATS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SITES	13,857,351	9,565,176	6,445,105	472,339	-	-	-	-	-	-	-	-	-	-
TOTAL	16,661,427	11,445,290	7,077,000	472,339	-	-	-	-	-	-	-	-	-	-

APPENDIX A.4
WELDON SPRING NORMAL (NATURAL) RECEIPTS
SUMMARIZED

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF NORMAL (NATURAL) URANIUM

EXTERNAL RECEIPTS NORMAL (NATURAL) URANIUM	FY1977	FY1978	FY1979	FY1980	FY1981	FY1982	FY1983	FY1984	FY1985	FY1986 FVA	FY1986 FVC	FY1987	FY1988	FY1989	FY1990
RIS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS
OAK RIDGE K-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAK RIDGE Y-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PORTSMOUTH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PADUCAH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FERNALD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REACTIVE METALS, INCORPORATED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WELDON SPRING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAVANAH RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROCKY FLATS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SITES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX A.4
WELDON SPRING NORMAL (NATURAL) RECEIPTS
SUMMARIZED

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF NORMAL (NATURAL) URANIUM

EXTERNAL RECEIPTS NORMAL (NATURAL) URANIUM	FY1991	FY1992	FY1993	FY1994	FY1995 FVC	FY1995 GVC	FY1996	FY1997	FY1998	FY1999	TOTAL
RIS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS
OAK RIDGE K-25	-	-	-	-	-	-	-	-	-	-	-
OAK RIDGE Y-12	-	-	-	-	-	-	-	-	-	-	-
PORTSMOUTH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-
PADUCAH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-
FERNALD	-	-	-	-	-	-	-	-	-	-	10,133,347
REACTIVE METALS, INCORPORATED	-	-	-	-	-	-	-	-	-	-	-
WEST VALLEY	-	-	-	-	-	-	-	-	-	-	-
WELDON SPRING	-	-	-	-	-	-	-	-	-	-	-
HANFORD	-	-	-	-	-	-	-	-	-	-	-
SAVANAH RIVER	-	-	-	-	-	-	-	-	-	-	-
ROCKY FLATS	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-
OTHER SITES	-	-	-	-	-	-	-	-	-	-	111,882,630
TOTAL	-	-	-	-	-	-	-	-	-	-	122,015,977

APPENDIX A.4
WELDON SPRING NORMAL (NATURAL) RECEIPTS

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF NORMAL (NATURAL) URANIUM

	EXTERNAL RECEIPTS NORMAL URANIUM		FY1952	FY1953	FY1954	FY1955	FY1956	FY1957	FY1958	FY1959	FY1960	FY1961	FY1962	FY1963
RIS	SITE		U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS
FVA	FEMP (NLO)	FEMP											2,563,408	2,253,854
FVC	FEMP (WMCO)	FEMP												
HVA	ATLANTIC RICHFIELD HANFORD COMPANY	HAN												
HXA	UNC NUCLEAR INDUSTRIES, RICHLAND	HAN												
	OTHER SITES	OTHER							8,000,407	12,898,013	15,032,283	15,546,776	13,445,683	16,619,497
TOTAL			-	-	-	-	-	-	8,000,407	12,898,013	15,032,283	15,546,776	16,009,091	18,873,351

APPENDIX A.4
WELDON SPRING NORMAL (NATURAL) RECEIPTS

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF NORMAL (NATURAL) URANIUM

	EXTERNAL RECEIPTS NORMAL URANIUM	FY1964	FY1965	FY1966	FY1967	FY1968	FY1969	FY1970	FY1971	FY1972	FY1973	FY1974	FY1975	FY1976	FY1976A	FY1977
RIS	SITE	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS
FVA	FEMP (NLO)	2,804,076	1,880,114	631,895												
FVC	FEMP (WMCO)															
HVA	ATLANTIC RICHFIELD HANFORD COMPANY															
HXA	UNC NUCLEAR INDUSTRIES, RICHLAND															
	OTHER SITES	13,857,351	9,565,176	6,445,105	472,339											
TOTAL		16,661,427	11,445,290	7,077,000	472,339	-	-	-	-	-	-	-	-	-	-	-

APPENDIX A.4
WELDON SPRING NORMAL (NATURAL) RECEIPTS

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF NORMAL (NATURAL) URANIUM

	EXTERNAL RECEIPTS NORMAL URANIUM	FY1978	FY1979	FY1980	FY1981	FY1982	FY1983	FY1984	FY1985	FY1986 FVA	FY1986 FVC	FY1987	FY1988	FY1989	FY1990	FY1991	FY1992
RIS	SITE	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS
FVA	FEMP (NLO)																
FVC	FEMP (WMCO)																
HVA	ATLANTIC RICHFIELD HANFORD COMPANY																
HXA	UNC NUCLEAR INDUSTRIES, RICHLAND																
	OTHER SITES																
TOTAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX A.4
WELDON SPRING NORMAL (NATURAL) RECEIPTS

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF NORMAL (NATURAL) URANIUM

	EXTERNAL RECEIPTS NORMAL URANIUM	FY1993	FY1994	FY1995FVC	FY1995GVC	FY1996	FY1997	FY1998	FY1999	TOTAL
RIS	SITE	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS	U KGS
FVA	FEMP (NLO)									10,133,347
FVC	FEMP (WMCO)									-
HVA	ATLANTIC RICHFIELD HANFORD COMPANY									-
HXA	UNC NUCLEAR INDUSTRIES, RICHLAND									-
	OTHER SITES									111,882,630
TOTAL		-	-	-	-	-	-	-	-	122,015,977

APPENDIX A.4
WELDON SPRING DEPLETED RECEIPTS SUMMARIZED

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF DEPLETED URANIUM

EXTERNAL RECEIPTS DEPLETED URANIUM	FY1952-FY1961		FY1962-FY1969		FY1970-FY1979		FY1980-FY1989		FY1990-FY1999		TOTAL	
SITE	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS
Pu PROCESSING PLANTS *	-	-	-	-	-	-	-	-	-	-	-	-
GASEOUS DIFFUSION PLANTS	-	-	-	-	-	-	-	-	-	-	-	-
WEAPONS PLANTS	-	-	-	-	-	-	-	-	-	-	-	-
U PROCESSING PLANTS	-	-	2,814	6	-	-	-	-	-	-	2,814	6
OTHER SITES	135,846	299	29,163	64	-	-	-	-	-	-	165,009	363
TOTAL	135,846	299	31,977	70	-	-	-	-	-	-	167,823	369

* INCLUDES SCRAP NOT PROCESSED

APPENDIX A.4
WELDON SPRING DEPLETED RECEIPTS
SUMMARIZED

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF DEPLETED URANIUM

EXTERNAL RECEIPTS DEPLETED URANIUM	FY1952		FY1953		FY1954		FY1955		FY1956		FY1957		FY1958		FY1959		FY1960		FY1961	
SITE	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS
OAK RIDGE K-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAK RIDGE Y-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PORTSMOUTH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PADUCAH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FERNALD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RMI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WELDON SPRING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAVANNAH RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROCKY FLATS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SITES	-	-	-	-	-	-	-	-	-	-	-	-	128	-	11,255	25	30,203	66	94,260	207
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	128	-	11,255	25	30,203	66	94,260	207

APPENDIX A.4
WELDON SPRING DEPLETED RECEIPTS
SUMMARIZED

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF DEPLETED URANIUM

EXTERNAL RECEIPTS DEPLETED URANIUM	FY1962		FY1963		FY1964		FY1965		FY1966		FY1967		FY1968		FY1969		FY1970		FY1971		FY1972	
SITE	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS
OAK RIDGE K-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAK RIDGE Y-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PORTSMOUTH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PADUCAH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FERNALD	-	-	-	-	45	-	2,769	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RMI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WELDON SPRING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAVANAH RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROCKY FLATS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SITES	22,225	49	-	-	2	-	-	-	6,936	15	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	22,225	49	-	-	47	-	2,769	6	6,936	15	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX A.4
WELDON SPRING DEPLETED RECEIPTS
SUMMARIZED

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF DEPLETED URANIUM

EXTERNAL RECEIPTS DEPLETED URANIUM	FY1973		FY1974		FY1975		FY1976		FY1976A		FY1977		FY1978		FY1979		FY1980		FY1981		FY1982	
SITE	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS
OAK RIDGE K-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAK RIDGE Y-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PORTSMOUTH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PADUCAH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FERNALD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RMI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WELDON SPRING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAVANAH RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROCKY FLATS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SITES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX A.4
WELDON SPRING DEPLETED RECEIPTS
SUMMARIZED

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF DEPLETED URANIUM

EXTERNAL RECEIPTS DEPLETED URANIUM	FY1983		FY1984		FY1985		FY1986 FVA		FY1986 FVC		FY1987		FY1988		FY1989		FY1990		FY1991		FY1992	
SITE	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS
OAK RIDGE K-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAK RIDGE Y-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PORTSMOUTH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PADUCAH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FERNALD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RMI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WELDON SPRING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAVANAH RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROCKY FLATS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SITES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX A.4
WELDON SPRING DEPLETED RECEIPTS
SUMMARIZED

**RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF DEPLETED URANIUM**

EXTERNAL RECEIPTS DEPLETED URANIUM	FY1993		FY1994		FY1995 FVC		FY1995 GVC		FY1996		FY1997		FY1998		FY1999		TOTAL	
SITE	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS
OAK RIDGE K-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAK RIDGE Y-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PORTSMOUTH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PADUCAH GASEOUS DIFFUSION PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FERNALD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,814	6
RMI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WELDON SPRING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAVANAH RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROCKY FLATS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SITES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165,009	363
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	167,823	369

**APPENDIX A.4
WELDON SPRING DEPLETED RECEIPTS**

**RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF DEPLETED URANIUM**

EXTERNAL RECEIPTS DEPLETED URANIUM			FY1952		FY1953		FY1954		FY1955		FY1956		FY1957		FY1958		FY1959		FY1960		FY1961	
RIS	SITE		U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS
FVA	FEMP (NLO)	FEMP																				
FVC	FEMP (WEMCO)	FEMP																				
MISC	OTHER SITES	OTHER													128	-	11,255	25	30,203	66	94,260	207
TOTAL	TOTAL		-	-	-	-	-	-	-	-	-	-	-	-	128	-	11,255	25	30,203	66	94,260	207

APPENDIX A.4
WELDON SPRING DEPLETED RECEIPTS

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF DEPLETED URANIUM

RIS	EXTERNAL RECEIPTS DEPLETED URANIUM SITE	FY1962		FY1963		FY1964		FY1965		FY1966		FY1967		FY1968		FY1969		FY1970		FY1971		FY1972	
		U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS
FVA	FEMP (NLO)					45	-	2,769	6														
FVC	FEMP (WEMCO)																						
MISC	OTHER SITES	22,225	49	-	-	2	-	-	-	6,936	15	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	TOTAL	22,225	49	-	-	47	-	2,769	6	6,936	15	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX A.4
WELDON SPRING DEPLETED RECEIPTS

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF DEPLETED URANIUM

	EXTERNAL RECEIPTS DEPLETED URANIUM	FY1973		FY1974		FY1975		FY1976		FY1976A		FY1977		FY1978		FY1979		FY1980		FY1981		FY1982		FY1983	
RIS	SITE	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS
FVA	FEMP (NLO)																								
FVC	FEMP (WEMCO)																								
MISC	OTHER SITES																								
TOTAL	TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX A.4
WELDON SPRING DEPLETED RECEIPTS

**RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF DEPLETED URANIUM**

	EXTERNAL RECEIPTS DEPLETED URANIUM	FY1984		FY1985		FY1986 FVA		FY1986 FVC		FY1987		FY1988		FY1989		FY1990		FY1991		FY1992		FY1993		FY1994	
RIS	SITE	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS
FVA	FEMP (NLO)																								
FVC	FEMP (WEMCO)																								
MISC	OTHER SITES																								
TOTAL	TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX A.4
WELDON SPRING DEPLETED RECEIPTS

RECYCLED URANIUM PROJECT
WELDON SPRING HISTORICAL DATA
RECEIPTS OF DEPLETED URANIUM

	EXTERNAL RECEIPTS DEPLETED URANIUM	FY1995FVC		FY1995GVC		FY1996		FY1997		FY1998		FY1999		TOTAL	
RIS	SITE	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS	U KGS	U-235 KGS
FVA	FEMP (NLO)													2,814	6
FVC	FEMP (WEMCO)													-	-
MISC	OTHER SITES													165,009	363
TOTAL	TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	167,823	369